



01-08-07

IFW

Attorney Docket No. YOR920030353US1
(590.113)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of : Vugranam C. Sreedhar
Serial No. : 10/676,952 Examiner: Unassigned
Filed : September 30, 2003 Art Unit: 2121
For : VARIATIONAL MODELING USING EXTENSION TYPES

January 5, 2007

INFORMATION DISCLOSURE STATEMENT (IDS) UNDER 37 CFR 1.97

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

Applicants submit herewith patents, publications or other information which they are aware, which they believe may be material to the patentability of this application and in respect of which there may be a duty to disclose in accordance with 37 C.F.R. §1.56.

While this Information Disclosure Statement may be "material" pursuant to 37 CFR §1.56, it is not intended to constitute an admission that any patent, publication or other information referred to herein is "prior art" for this invention unless specifically designated as such.

In accordance with 37 CFR §1.97(g) the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR §1.56(a) exists.

The attached form, PTO/SB/08A, provides a listing of patents, publications, or other information as required by 37 CFR §1.98(a)(1).

4

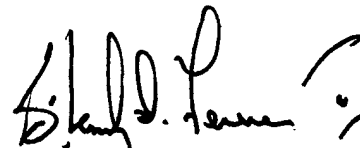
The relevance of the patents, publications or other information listed on the Information Disclosure Statement is apparent from their disclosure. Copies of patents, publications, or other information, other than U.S. patents and published U.S. patent applications, are provided.

No fee is due under 37 CFR § 1.17(p) for this Information Disclosure Statement since it is being filed in compliance with 37 CFR 1.97 (b)(3) before the mailing date of a first Office action on the merits.

Respectfully submitted,

ERENCE & ASSOCIATES

Dated: 1/5/2007

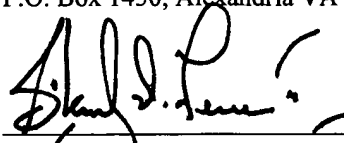
By: 
Stanley D. Ference III
Registration No. 33,879

Mailing Address:

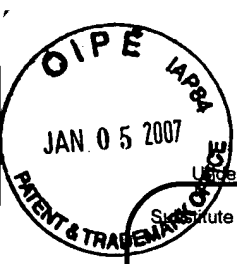
Customer No. 35195
ERENCE & ASSOCIATES
409 Broad Street
Pittsburgh, Pennsylvania 15143
(412) 741-8400
(412) 741-9292 - Facsimile

CERTIFICATE OF EXPRESS MAILING

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" Service under 37 C.F.R. § 1.10, "Express Mail" Mailing Label No. EV 736793703 US, Date of Deposit January 5, 2007, on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria VA 22313-1450.


Stanley D. Ference III
Reg. No. 33,879

January 5, 2007
Date of Signature



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary).

Sheet

1

of

2

Complete if Known

Application Number

10/676,952

Filing Date

September 30, 2003

First Named Inventor

Vugranam C. Sreedhar

Art Unit

2121

Examiner Name

Unassigned

Attorney Docket Number

YOR920030353US1 (590.113)

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	1	W. WELCH and A. WITKIN, "Variational surface modeling," SIGGRAPH Comput. Graph., 1992, 157-166, 26 (2), ACM Press, New York, NY	
	2	E. ERNST, "Family Polymorphism," ECOOP '01, 2001, 303-326, Springer-Verlag, London, UK	
	3	A. KENNEDY and D. SYME, "Design and implementation of generics for the .NET Common language runtime," PLDI '01, 2001, 1-12, ACM Press, New York, NY	
	4	K. K. THORUP, "Genericity in Java with virtual types." In European Conference on Object- Oriented Programming, LNCS 1241: Springer-Verlag, 1997. 444-471.	
	5	M. MEZINI and K. OSTERMANN, "Conquering aspects with Caesar," AOSD '03, 2003, 90-99, ACM PRESS, New York, NY	
	6	G. KICZALES, "The fun has just begun" slide presentation, AOSD '03, 2003, University of British Columbia	
	7	B. LISKOV and J. WING, "A Behavioral Notion of Subtyping," ACM Transactions on Programming Languages and Systems, 16 (6), November 1994, 1811-1941, ACM Press, New York, NY	
	8	G. BRACHA and W. COOK, "Mixin-based inheritance," Proc. 5th ACM Conf. Object-Oriented Prog., pub. ACM Sigplan Notices, 25(10), 1990, 303-311, ACM Press, New York, NY	
	9	Y. SMARAGDAKIS and D. BATORY, "Implementing Layered Designs with Mixin Layers," ECCOP '98, 1998, 550-570, Springer-Verlag, London, UK	
	10	V. SREEDHAR, "Variational Modeling Using Extension Types," IBM TJ Watson Research Center	

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Complete if Known	
		Application Number	10/676,952
		Filing Date	September 30, 2003
		First Named Inventor	Vugranam C. Sreedhar
		Art Unit	2121
		Examiner Name	Unassigned
		Attorney Docket Number	YOR920030353US1 (590.113)
Sheet	2	of	2

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	11	P. TARR, H. OSSHER, W. HARRISON and S. SUTTON, "N degrees of separation" Proceedings of the 21st int'l conference on Software engin., May 16-22, 1999, 107-119, Los Angeles, CA	
	12	G. KICZALES, J. LAMPING, A. MENDHEKAR, C. MAEDA, C. LOPES, J. LOINGTIER, J. IRWIN, "Aspect-Oriented Programming," ECOOP, June 1997, Springer-Verlag, Finland	
	13	D. LEA, "Objects in Groups," Technical report available at http://gee.cs.oswego.edu/dl/papers/groups.pdf , 1993.	
	14	G. KICZALES, "Aspect-oriented programming," In Workshop on New Visions for Software Design and Productivity, Dec 13-14, 2001, Vanderbilt University, Nashville, TN	
	15	W. HARRISON and H. OSSHER, "Subject-oriented programming: a critique of pure objects," OOPSLA '93, 1993, 411-428, ACM Press, New York, NY	
	16	M. FOWLER, "Dealing with Roles," Collected papers from the PLoP '97 and EuroPloP '97 Conference, Sept 1997, Dept. of Computer Science, Washington University	
	17	B. PIERCE, "Programming with Intersection Types and Bounded Polymorphism," 1992, Carnegie Mellon University, Pittsburgh PA	

Examiner Signature	Date Considered
---------------------------	------------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.